

Claims

- [c1] 1. An apparatus for simultaneously securing both opposing ends of a door in a door jamb, comprising:
- (a) a first deadbolt, positioned within the doorjamb adjacent a first door end wherein the first deadbolt is movable between a first locked position within the first door end and a second unlocked position within the doorjamb;
 - (b) a second deadbolt, positioned within the door at a second door end, opposite the first door end, wherein the second deadbolt is movable between a first locked position and a second unlocked position;
 - (c) means for actuating the first deadbolt between its locked and unlocked positions; and
 - (d) means for actuating the second deadbolt in synchronization with the first deadbolt, in response to movement by the first deadbolt or the first deadbolt actuation means.
- [c2] 2. The apparatus of claim 1 wherein the first deadbolt is positioned above the door when in its unlocked position and engages an opening in an upper door end when in its locked position and the second deadbolt is housed

within the door when in its unlocked position and engages an opening in the door jamb or floor beneath the door when in its locked position.

- [c3] 3.The apparatus of claim 2 wherein the first deadbolt actuation means comprises an electric solenoid motor.
- [c4] 4.The apparatus of claim 2 wherein the means for actuating the second deadbolt comprises a locking rod moveable between a first locked position and a second unlocked position, wherein a first end of the locking rod is exposed in the upper door opening when in its unlocked position and is displaced by the first deadbolt to move into its locked position when the upper deadbolt is moved into its locked position.
- [c5] 5.The apparatus of claim 4 wherein the locking rod is contained within a tube affixed to an exterior surface of the door.
- [c6] 6.The apparatus of claim 5 wherein the means for biasing the locking rod comprises a coil spring acting on the locking rod, biasing it towards its unlocked position.
- [c7] 7.A door locking system comprising:
 - (a)a deadbolt slidably moveable between a first locked position and a second unlocked position;
 - (b)reversible electric motor means for actuating move-

ment of the deadbolt;

(c)an exterior switch operatively connected to the electric motor;

(d)an interior switch operatively connected to the electric motor;

(e)a first contact switch positioned relative to the deadbolt such that the deadbolt contacts the first contact switch when in its unlocked position, wherein the first contact switch turns off the electric motor;

(f)a second contact switch positioned relative to the deadbolt such that the deadbolt contacts the second contact switch when in its locked position, wherein the first contact switch turns off the electric motor.

- [c8] 8.The door locking system of claim 7 further comprising a remote switch operatively connected to the electric motor
- [c9] 9.The door locking system of claim 7 wherein the first contact switch comprises an indicator switch for illuminating a unlocked indicator light
- [c10] 10.The door locking system of claim 9 wherein the second contact switch comprises an indicator switch for illuminating a locked indicator light.